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**DAIRY WISDOM.**

A calf going into the winter six or eight months of age should receive a good quality of hay and some grain.

In the winter yearling heifers should receive about three pounds of grain daily and all the hay and silage they will eat. About twenty pounds of silage and fifteen to twenty pounds of hay.

A constructive system of breeding and a high grade of dairy stock can hardly be realized when little attention is paid to the raising of the calves.

### RAISING HEIFER CALVES.

Youngsters Should Be Kept Growing Until Fully Matured.

There are several precautions which should be observed in the feeding of the young calf. writes a correspondent of the Rural New Yorker. Brief mention will be made of these with no attempt to discuss in detail.

The calf should receive the milk of its mother for the first two weeks, if possible. A small amount of skim milk, say, one pound per day, may be substituted for one of whole milk when the



The picture shows interested Duke's Belle, winner of 1916 gold medal for Jerseys two and a half and under three years of age. Record 9,352 pounds of milk containing 61 pounds of butter fat.

calf is a week old. The calf may well be on a skim milk diet at the end of eighteen to twenty-one days.

Milk of even temperature should be fed, about 98 degrees Fahrenheit is right.

Grain should not be fed with the milk, except possibly a small amount of linseed oil meal or dried blood.

Feeding pails should be clean. Milk should be sweet.

A calf should never be overfed. One can easily tell when this has happened. For the calf will usually come up and sip and probably will not drink much of the milk.

Grain and hay should be provided for the three-week-old calf. Whole or ground oats, or a quarter oats, a quarter bran, a quarter linseed oil meal and a quarter cornmeal is a good grain mixture for a calf. Keep fresh grain before the calf and a fine quality of hay. Rowen is excellent.

Calves should not be allowed to suck one another. Tie them up with ropes or else put in stanchions.

There are on the market several stock preparations called milk substitutes. These are supposed to take the place of milk entirely after the sixth or seventh day. Directions for using these come on the bag. These substitutes will grow a calf, but it can hardly be said of them that they take the place of milk. They result in a higher cost for growing the calf because of the high price of the feed and extra labor involved. Calves raised on such substitutes never look as thrifty as those raised on milk. Where one has milk it would not be advisable to use calf meals. If there is no milk one has no choice.

Heifer calves should be kept growing all the time. Calves in the summer should be provided with a grass pasture with shade and some escape from the flies. Skim milk might well be continued until the calf is five or six months of age.

### To Free Cattle From Lice.

Lice on cattle seriously handicap growth and production. It is not difficult to free cattle from them, but they will return to the cattle unless the premises are rid of the lice. Therefore the first thing to do is to thoroughly clean all stables, stalls, mangers, walls, ceilings, floors and corners. Abundance of light and ventilation is necessary. Then the barn should be thoroughly sprayed with a strong disinfecting solution and whitewashed. Crude oil sprayed on the cattle or administered with a sponge at regular intervals will keep them free from the parasite.

### Fall Farrowing Sows.

Sows bred for fall litters should be now on good pasture. A light grain ration is fed wherever the sows are not in reasonably good flesh. If they are on rape, clover or alfalfa the grain may be of any sort. However, a quarter pound of tankage or oilmeal daily during the last month of gestation is a good investment. It is most satisfactory to let the sows farrow at pasture, having sufficient movable houses or cots to furnish shelter for each. Both sows and litters do better than if confined to a small pen in a hog barn.

### Packing Butter For Winter.

Butter for winter use should be made of selected sweet cream, preferably pasteurized—namely, heated to 142-145 degrees F., and held there for half an hour, then cooled and churned. Churn so the butter comes in the granular form. Wash thoroughly and salt at the rate of an ounce to a pound. Pack the butter firmly in earthenware crocks and sprinkle salt over the top or just cover with a salt brine. Store in a cool cellar until ready for use.

**LIVE STOCK.**

It takes feed to make a big horse. Be sure your draft breed colts are getting enough grain to keep them growing.

The smaller the flock the better the sheep will do. One sheep per acre is the limit, and often that is too many.

If one of your hogs gets a grudge against another put them in separate pens. They will do better and grow faster.

Mares bred in November will foal in the following October, when the flies are gone and heavy work is done.

There are less than 10 per cent of all weeds which sheep will not eat. Cattle and horses eat only about half the different weeds.

Hogs like company. Don't keep one in a pen alone, but see that the two are good friends.

### SELF FEEDING HOGS PAYS.

Interesting Result of a Pig Fattening Experiment in Kansas.

Self feeding of fattening hogs is rapidly increasing because of the scarcity of farm labor, the high market prices of hogs and the high prices of feeds.

Self feeding experiments at the Kansas agricultural experiment station have given interesting results. Ninety Duroc-Jersey pigs were fattened for market. They were divided into fifteen lots, three of which were hand fed and the others self fed, some on pasture and others in dry lots.

The pigs were started in the experiment with an average weight of fifty



Poland China type of sow. This breed of hogs is of the hard type. They are prolific breeders and fatten easily. The pigs are hardy and develop rapidly under ordinary farm care.

pounds and were fed to make an average gain of 150 pounds a pig for each lot.

The self fed pigs in the dry lots were ready for market earlier, required less labor, gave greater returns for feed consumed and, based upon the averages of the Kansas City market for the last five years, would have sold for 25 cents more per hundredweight at the time they finished in the experiment.

Adding to the gain in market price the saving in feed, which amounted to 90 cents a head, and the saving of labor, which, at the lowest estimate, when as many as a carload of hogs are fed, would amount to one hour a pig, there resulted a gain of approximately \$1.65 a head.

The self fed pigs on alfalfa and rape pastures were ready for market only one and one-half days earlier than those in the dry lots, but the pasture allowed in three months a saving of 67½ cents' worth of concentrates a pig. The pigs were pastured on alfalfa at the rate of eighteen an acre, which gave a surplus of forage. This shows a return of \$12.15 an acre for the alfalfa pasture. Two cuttings of hay had been removed before the feeding period began. Figured on a five months' pasturing season, there is a return of \$20.25 an acre.

Based upon the saving of concentrates, the rape pasture gave a return of \$16.20 for the three months' feeding period. Figuring for a four months' pasturing season, there is a return of \$21.00 an acre.

### HARDY WHEAT STRAIN.

Interesting Result of Experiments at Nebraska College of Agriculture.

The Nebraska College of Agriculture reports gratifying results as regards yield and weather resistant powers for strain No. 60, a variety of wheat that has been developed on the experiment farm. Last winter was unusually severe and particularly hard on winter grain. Of ninety-five varieties of Turkey Red wheat under test at the station No. 60 outdistances all others in vitality and weather resistance.

Furthermore, on another field where thirty-five of the best strains of wheat from the surrounding twelve states were being tried out for production and vigor under Nebraska conditions all of the wheat winter killed. These results indicate that No. 60 excels all these other varieties in hardiness and ability to withstand weather extremes.

As this variety, in addition to being selected for winter resistance is also a remarkably good yielder, it appears that the average Nebraska farmer can increase his dependable yield of wheat by the extensive use of this seed.—Country Gentleman.

### Groom Cows With a Stiff Brush.

Cleaning the cows off and grooming them keeps them in better condition. Grooming with a good brush makes a pleasant circulation of the blood through the system, which is noticeable in the increased amount of milk. Many persons are careful to curry their horses and feel that it is beneficial to them, which no doubt it is. Then why should not a cow be benefited also? I have also found that it is a good thing to massage the udder a few minutes before starting to milk. I strip the cows thoroughly.—Farm and Fireside.

### CIRCUIT COURT PROCEEDINGS.

The Jury reported Monday morning,—but the following were excused by the Court: William R. Jones of Arlington, B. L. Banta of Columbia, Aaron Walkington of Covert, Jay Greenman of South Haven, Albert Hinz of Geneva, and G. G. Squier of South Haven. P. E. Pritchard was also dismissed, he not being qualified to sit, having removed to Detroit, Michigan.

The first case to be tried by the Jury, People vs. Addison Stickney, was settled and dismissed. The next case was taken up, People vs. Howard Vail. Mr. W. J. Barnard appeared for the Respondent.

Only one new suit filed,—Howard Buffington vs. William Baker,—Appeal.

Those who plead guilty to various charges were brought before the Court, and the following disposition made of them.

People vs. R. C. McPherson and Howard Sherwood.—Both under nineteen years of age and having no prior criminal record, they were paroled for one year. Each to pay the County Clerk \$100.00, the same being a fine including costs and expenditures on account of their cases. Each to report to the Judge by letter each month.

People vs. William Pifer.—Paroled and placed in custody of Probation Officer, A. F. Hurlbut. Required to pay \$10.00 to Clerk of the Court for expenses and \$1.00 per month to Probation Officer, as required by law. Charles Morrison appointed as next friend, and the Respondent released to return to the home of Charles Morrison to complete his year's work.

People vs. Myrl Sebright.—Under age of eighteen years. Paroled for one year. Gladstone R. Beattie, Sheriff, to act as Probation Officer.

People vs. Mike McGovern.—Paroled for one year. Gladstone R. Beattie to act as next best friend, and A. F. Hurlbut as Probation Officer. Required to pay a fine of \$10.00.

People vs. Ora Jacobs.—Under nineteen years of age,—paroled for one year and placed under the control of Probation Officer, A. F. Hurlbut.

The following decrees were entered: Lyle C. Grice vs. Josephine M. Grice.—Divorce granted.

Neil D. Snell vs. Marian Snell.—Divorce granted.

Austin D. Conway et al. vs. Moody Emerson, et al.—Quiet title.

Lizzie Rhoades vs. Lewis Rhoades, Divorce granted.

Howard Michels vs. Ella Michels, Divorce granted.

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